

## Selection of Fitting Type

### Tube End Connections

#### Thread Size Guide — Inch Thread

Tube O.D. or Adapter Size			O-ring Face Seal (ORFS)	37° Flare	Inch 24° cone <sup>3)</sup> Flareless	SAE 45° Flare <sup>3)</sup>
Nominal metric size <sup>3)</sup>	Nominal Inch		SAE J1453	SAE J514	SAE J514	SAE J512
	size	SAE dash size	“Seal-Lok”	“Triple-Lok”	“Ferulok”	
(mm)	(in)		Inch ANSI B1.1, unified (ISO 263)	Inch ANSI B1.1, unified (ISO 263)	Inch ANSI B1.1, unified (ISO 263)	Inch ANSI B1.1, unified (ISO 263)
—	1/8	-2	—	5/16-24	5/16-24	5/16-24
4	—	—	—	—	—	—
5	3/16	-3	—	3/8-24	3/8-24	3/8-24
6	1/4	-4	9/16-18	7/16-20	7/16-20	7/16-20
8	5/16	-5	—	1/2-20	1/2-20	1/2-20
10	3/8	-6	11/16-16	9/16-18	9/16-18	5/8-18
12	1/2	-8	13/16-16	3/4-16	3/4-16	3/4-16
14	5/8	-10	1-14	7/8-14	7/8-14	7/8-14
15 <sup>1)</sup>	5/8	-10	1-14	7/8-14	—	—
16	5/8	-10	1-14	7/8-14	—	—
18 <sup>1)</sup>	3/4	-12	1 3/16-12	1 1/16-12	1 1/16-12	1 1/16-14
20	3/4	-12	1 3/16-12	1 1/16-12	—	—
22 <sup>1)</sup>	7/8	-14	—	1 3/16-12	1 3/16-12	—
25	1	-16	1 7/16-12	1 5/16-12	1 5/16-12	—
28 <sup>1)</sup>	1 1/4	-20	1 11/16-12	—	1 5/8-12	—
30	1 1/4	-20	1 11/16-12	1 5/8-12	—	—
32 <sup>2)</sup>	1 1/4	-20	1 11/16-12	1 5/8-12	—	—
38	1 1/2	-24	2-12	1 7/8-12	1 7/8-12	—
50	2	-32	2 1/2-12 <sup>4)</sup>	2 1/2-12	2 1/2-12	—

Table V7 — Tube End Connections

- 1) Not preferred for high pressure applications.
- 2) Non-preferred size. Use 30mm size in place of 32mm size.
- 3) Metric tube sizes do not apply to “Ferulok” and 45° flare fittings.
- 4) Not part of SAE J1453.

Dimensions and pressures for reference only, subject to change.